| Index of Claims | Application/Control No. | Applicant(s)/Patent under Reexamination |  |  |  |  |  |  |
|-----------------|-------------------------|---|--|--|--|--|--|--|
|                 | 10/675,066              | CICCHIELLO ET AL.                       |  |  |  |  |  |  |
|                 | Examiner                | Art Unit                                |  |  |  |  |  |  |
|                 | Nathan Curs             | 2613                                    |  |  |  |  |  |  |
|                 | Nathan Curs             | 2613                                    |  |  |  |  |  |  |

| . 4 | Rejected | - | (Through numeral)<br>Cancelled | N | Non-Elected  | A | Appeal   |
|-----|----------|---|--------------------------------|---|--------------|---|----------|
| =   | Allowed  | + | Restricted                     | ı | Interference | 0 | Objected |

| Claim             |                         | Date   |  | Cla          | im       |  |                     | 0            | ate   |                 |                              |          | Cla      | im ]     |   |          |          | D   | ate                                 |  |          |          |              |
|-------------------|-------------------------|--|--|--------------|----------|--|---------------------|--------------|---|-----------------|------------------------------|----------|----------|----------|---|----------|----------|---|-------------------------------------|--|----------|----------|--------------|
|                   | . 6                     | $\Box$   |  |              |          |  |                     | П            |   | Т               |                              |          |          |          | $\neg$  |          | 7        |   |                                     | П  |          | Т        |              |
| Final<br>Original | 9                       | 1 1 1  | 111  | Final        | Original | ì  |                     | 1 !          |   | 1               |                              |          | Final    | Original |   |          | 1        |   | -                                   | - 1  |          | ł        |              |
| E 5 3             | ₩                       |  | 111  | 년            | ē        |  |                     | 1 1          |   |                 | Ιİ                           | 1        | التا     | ·Ē       |   |          |          |   | -1                                  |  |          |          |              |
| 0                 | 0                       | 1 1 1  |  | -            | 0        |  |                     | 1            |   |                 | 11                           |          |          | 0        |   |          |          | -   | ĺ                                   |  |          |          | Į            |
|                   | 量士                      | +++  | <del></del>                                      | $\vdash$     | 51       | -  | +                   | 1-1          | $\dashv$  | +-              | † †                          | 1        |          | 101      | 寸   | _        | 十        | $\top$  | 十                                   | +  | 十        | -†-      | ٦.           |
|                   | =-                      | <del>                                     </del> | <del></del>                                      | <b></b>      | 52       | -+   | +                   | +-1          | -   |                 | +-+-                         | -        |          | 102      | ┰   | +        | ╅        | $\dashv$  | $\dashv$                            | ╅  | 十        | +        | ┪            |
|                   | 7                       | <del></del>                                      |  | <u> </u>     |          |  | -                   | Н            |   | -               | ┼┼                           | ┨        |          | 103      | -   | $\dashv$ | $\dashv$ | $\dashv$  | +                                   | ┰  | +        | +        | $\dashv$     |
|                   | =                       |  | $\longrightarrow$                                | ļ            | 53       |  |                     | $\vdash$     | +   | +               | ╌╂                           | ┥        |          | 103      | -+  | -        | -+       | -+  | +                                   |  | -+-      | ┿        | ┥            |
| 1 0               |                         | 1-1-4  |  |              | 54       | +  | +                   | 1            | $\dashv$  |                 | +                            | 4        | ┝        | 105      | $\dashv$  | -        | -+       | +   | +                                   | +  | ╅        |          | ᅱ            |
|                   | = _                     | +++  |  | $\vdash$     | 55       | -  | +                   | +i           | $\vdash$  | -               | ┼-                           | 4        |          |          |   | $\dashv$ | -        | -+  | -+                                  | +  | +        | +        | ᅱ            |
| 6 0               | =                       | + + +  |  |              | 56       | -  |                     | 1            | $\vdash$  |                 | ₩                            | ⊣        | <u> </u> | 106      | -   | -        | +        | +   | $\dashv$                            | -+   | +        | +        | ᅱ            |
| 70                | =                       | $\bot$   |  |              | 57       | _  | -                   | 1            |   | _               | $\bot \bot$                  | 4        |          | 107      | -   |          | +        | $\dashv$  | -                                   | $\dashv$   | +        | -+-      | -            |
| 8 0               | ,=                      |  |  |              | 58       |  |                     | $oxed{oxed}$ |   | _               | $\sqcup$                     | 4        |          | 108      | _   | 4        | -+       | 4   | 4                                   | -  |          | -        | $\dashv$     |
| 9 🗸               | =                       |  |  |              | 59       |  |                     | <u> </u>     | Щ   |                 | Ц.                           | _        | $\vdash$ | 109      | _   | _        | -        | 4   | 4                                   | 4  | -        | 4        | 4            |
| 10                |                         |  |  |              | 60       |  |                     |              | Ш   |                 |                              | ┙        |          | 110      | _   | _        | _        | _   | _                                   | _  | _        | 4        | -1           |
| THE V             |                         |  |  |              | 61       |  |                     |              |   |                 | 11                           | _        |          | 111      | _   | _        | _        | _   |                                     | 4  | _ _      | -        | 4            |
| W V               |                         |  |  |              | 62       |  |                     |              |   |                 |                              | _        |          | 112      |   | _        | 1        | $\dashv$  | _                                   | _  | $\perp$  | $\perp$  | $\dashv$     |
|                   | 2                       | $\top$   |  |              | 63       |  | Т                   |              |   |                 |                              | ┙        |          | 113      | $\perp$   | _[       | $\perp$  |   | $\perp$                             | _  | _        | _        | $\dashv$     |
| 14 0              | =                       | 1-1-1  |  |              | 64       | $\Box$   | $\Box$              |              |   |                 |                              | _]       |          | 114      | $oldsymbol{ol{ol{ol}}}}}}}}}}}}}}}}}$ | $\bot$   | $\cdot$  |   |                                     | $\perp$  | $\perp$  | $\perp$  | _            |
| 15 0              | X                       | 1 1 1  |  |              | 65       | $\Box$   | 丁                   |              |   | $\neg$          | $\Box \top$                  |          |          | 115      |   | $\Box$   |          |   |                                     |  |          |          | ╝            |
| 16 0              |                         | 1  |  |              | 66       | $\sqcap$   |                     | 1            | П   | $\neg \vdash$   | $\top$                       | 7        |          | 116      |   |          |          | $\Box$  |                                     |  | $\Box$   | $\Box$   |              |
| 17 0              | =                       | ╁╾┞╌┨  | - - -  |              | 67       | $\Box$   | $\neg$              |              | ⇈   |                 | 17                           | 7        |          | 117      |   |          | $\neg$   | $\neg$  |                                     |  |          | T        |              |
| 18 0              | 7                       | ╅═┼  | <del>                                     </del> | <b></b>      | 68       |  | _                   | $\top$       | 1   |                 | 11                           | 7        |          | 118      |   | $\neg$   | ╗        |   | $\neg$                              | $\neg$   |          | T        | 乛            |
|                   | <del>/_ - -</del>       | ╂╌┼═┤  | <del>           </del>                           | -            | 69       | <del>   </del>                                   |                     | +            |   | _               | + +                          | ┪        | 1        | 119      |   |          | ┪        |   | $\neg$                              | 寸  | $\neg$   |          |              |
| 19 1              |                         | ╂╌╏  | <del>                                     </del> | -            | 70       | <del>                                     </del> | 十                   | +-           | <del>                                     </del>  |                 | +-+                          | $\dashv$ |          | 120      |   |          | _        |   | 寸                                   | $\neg$   | 寸        | _        | ヿ            |
| 20 0              | = -                     | ╂┈╂╌   | <del>   </del>                                   | <del> </del> | 71       | ╂╼╌╂   | +                   | +            | ╁╾┼   |                 | ++                           | $\dashv$ | -        | 121      |   |          |          |   | _                                   | 一  | $\dashv$ | 7        | $\neg$       |
| 21 0              | <u> </u>                |  |  |              | 72       | 1-1  |                     | +-           | $\vdash$  | -               | +                            | {        | <b> </b> | 122      | Н   |          | -        | $\neg$  |                                     | 一  |          | -+       | $\neg$       |
| 22 0              |                         | +  | $\square$  | <b>-</b>     |          | $\vdash$   | -                   | +            | ┢   |                 | ╅╍╅                          | $\dashv$ | <u> </u> | 123      | Н   | $\vdash$ | $\dashv$ |   |                                     | $\dashv$   | 十        | +        | -            |
| 23 )              |                         | 4  |  | <u> </u>     | 73       | ₩  | -                   | +            | $\vdash$  | -               |                              |          | <b></b>  | 124      | Н   | $\vdash$ | -        | -   | $\dashv$                            | -  | $\dashv$ | $\dashv$ |              |
| 24 Q              |                         | 4  |  |              | 74       | ╌┤   |                     |              | H   | +               |                              | -        | -        | 125      | ┝╌┤   | -        | $\dashv$ | -   | $\dashv$                            | $\dashv$   | $\dashv$ |          |              |
| 25 0              |                         | $\bot \bot$                                      |  |              | 75       | $\vdash$   | _                   | +            | ╁╌┤   |                 |                              | -        |          | 125      | -   |          | -        | Н   | -                                   | -  | $\dashv$ | -        | -            |
| 26 👌              | =                       |  |  |              | 76       | ₩  |                     | ┿            | +   | _               | ++                           | 4        | -        |          | Н   | _        |          |   | -                                   | -  | $\dashv$ | $\dashv$ |              |
| 27 Ŏ<br>28 Ŏ      | =                       |  |  |              | 77       |  |                     |              | ┦   | _               |                              | 4        | -        | 127      | Н   |          |          | _   |                                     | $\dashv$   |          |          | -            |
| 28 🐧              |                         |  |  |              | 78       | <b></b>  |                     | 1_           | 1   |                 | ++                           |          |          | 128      | <u> </u>  | Н        | 4        | _   | _                                   | -1   | -        | -        |              |
| 29 ð<br>30 ð      | =                       |  |  |              | 79       | Ш  |                     | 4            | ┸┩  |                 | 1-1-                         | _        | <b> </b> | 129      | _   |          |          | _   | _                                   | Н  | -        |          |              |
| 30 0              | =                       |  |  |              | 80       | Ш  |                     |              | $\sqcup$  |                 | $\perp \perp$                | _        | <u></u>  | 130      |   | _        | Ш        |   | ш                                   | Щ  |          | -        |              |
| 31 8              | 12                      |  |  |              | 81       |  |                     |              | $\sqcup$  |                 | $\perp$                      | ┙        | <u></u>  | 131      | _   | L.       |          |   |                                     |  | -        | _        |              |
| 31 à<br>32 ō      | 121                     |  |  |              | 82       | $\Box$   |                     |              | $oldsymbol{ol}}}}}}}}}}}}}}}}}}}$ |                 | $\perp$                      | _        | <u></u>  | 132      | L   | Ш        |          |   | Ш                                   | $\square$  |          | _        | _            |
| 33 0              | 1211                    |  |  |              | 83       |  |                     |              |   |                 |                              |          | L        | 133      | <u> </u>  | <u> </u> |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$               | Щ                                   | Ш  | _        | _        |              |
| 34                | 7=1                     |  |  |              | 84       |  |                     |              |   |                 |                              |          |          | 134      | <u></u>   | <u> </u> | Щ        | <u> </u>  |                                     | Ш  | _        | _        | _            |
| 35 0              | 151                     | 1  |  |              | 85       |  | $\Box$              | $\mathbf{I}$ |   |                 |                              |          |          | 135      | <u> </u>  |          | ļ        | L.  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |  | $\Box$   |          |              |
| 36 O              |                         | <del></del>                                      |  |              | 86       | $\sqcap$   | $\neg$              | Т            | П   | Т               |                              |          |          | 136      |   |          |          |   |                                     | Ш  |          |          | _            |
| 37 0              | -                       | ++   | <del>       </del>                               |              | 87       | $\Box$   | 一                   | $\neg$       | $\top$  | 一               | $\top$                       |          |          | 137      |   |          |          |   |                                     |  |          |          |              |
| 38 0              | =                       | ++   | <del>                                     </del> |              | 88       | $\top$   | _                   | 1            | 1   | $\neg \vdash$   | 11                           | $\neg$   |          | 138      |   |          |          |   |                                     |  |          |          |              |
| 39 D              |                         | +  | <del>                                     </del> | -            | 89       | 1 1  | $\dashv$            | +            | 1   |                 | ++                           | ╗        |          | 139      | Π   | Π        | Г        |   |                                     |  |          |          |              |
| 40                | <del>'  <b>.</b> </del> | ++   | <del>                                     </del> | <u> </u>     | 90       | ╁╾┤  |                     | $\top$       | $\top$  | $\dashv$        | -                            | ヿ        |          | 140      | 1   | Г        | Π        | Г   | Г                                   | П  | П        |          |              |
| 41                | ╀┼┼                     | <del>- - </del>                                  | <del>                                     </del> | $\vdash$     | 91       | 1-   | -                   | +            | +   | $\dashv$        | +-                           | ~ [      | $\vdash$ | 141      | T   | 1        | _        | Г   | Г                                   |  | П        |          |              |
|                   | +-+-                    | +  | <del>       </del>                               | <b>—</b>     | 92       | +  | -                   | +            | +   |                 | <del>     </del>             | $\dashv$ | 1        | 142      | T   | T        | П        | $\vdash$  | 1                                   | Т  | $\vdash$ |          |              |
| 42                | ╂═┼╼┼╌                  | ++   | +++-   |              | 93       | +  | +                   | +            | +   | -               | + +                          | $\dashv$ | -        | 143      | T   | 1        | 1        |   | 1                                   |  |          |          |              |
| 43                | ╂╼╂╾╂                   | <del>-   -   -</del>                             | <del>                                     </del> |              | 94       | +  | ╁                   | -            | +   | +               | +                            | $\dashv$ | -        | 144      | +-  | $\vdash$ | $t^-$    | $\vdash$  | ⇈                                   | <del>                                     </del> | Н        | $\dashv$ | $\Box$       |
| 44                | ++                      | -  -   | +  | <u> </u>     |          | -  | ┝╍╁╴                | -            | +-  | $\vdash$        |                              | $\dashv$ | <b>-</b> | 145      | +   | $\vdash$ | +-       | <del>                                      </del> | $\vdash$                            | $\vdash$   | Н        | $\dashv$ | $\vdash$     |
| 45                | 1-1-                    |  | H  |              | 95       | +-   | ⊢                   |              | ╫   | $\vdash$        | $\dashv\dashv$               | $\dashv$ | -        |          | ╁   | +-       | +        | 1-  | -                                   | +  | Н        | $\vdash$ | <del> </del> |
| 46                | $\bot \bot \bot$        | 11-  | 1  | ļ            | 96       | 4_   | $\vdash \downarrow$ |              | -   | $\vdash \vdash$ |                              | -        |          | 146      | ╁   | ╁        | ⊢        | ╁   | ┼                                   | ₩  | Н        | -        | $\vdash$     |
| 47                | $\perp \perp \perp$     |  | $\sqcup \sqcup$                                  | <u> </u>     | 97       | 4_   | $\sqcup \bot$       | Ц.           | -   |                 |                              |          | -        | 147      | +-  | ┼-       | ╀        | ╄   | $\vdash$                            | +-   | ┝        | H        | ├            |
| 48                |                         |  |  | <u> </u>     | 98       | 1  | Ц.                  | 4            | 1   | $\sqcup$        |                              | _        | <u> </u> | 148      |   | ╄        | ╄        | ┼   | ├-                                  |  | $\vdash$ |          | $\vdash$     |
| 49                |                         |  |  |              | 99       |  | $\sqcup$            | $\bot$       | 1   | $\sqcup$        | $\bot\!\!\!\bot\!\!\!\!\bot$ |          | <u> </u> | 149      |   | ┺        | <b>├</b> | ₩   | ┰                                   | ╄  | ۲.       | $\vdash$ | ⊢            |
| 50                |                         |  |  |              | 100      | )  | LL                  |              |   | Щ               |                              |          | Ц.       | 150      | 丄   | 上        | <u> </u> | 上   | <u> </u>                            | 1  | <u> </u> | Ц_       | ـــ          |